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21M1/1210

WILLIAM E HILLER
TEXAS INSTRUMENTS INCORPORATED
MAIL STOP 219

Note attached communication from the Examiner

This notice is issued in view of applicant's communication filed _____

**NOTICE OF ALLOWANCE
AND ISSUE FEE DUE**

P.O. BOX 655474
DALLAS, TX 75265

This notice is issued in view of applicant's communication filed _____

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/324,835	10/18/94	009	PALADINI, A	2107 12/10/96
First Named Applicant	MIYAZAKI, TAKAHIRO			

TITLE OF
INVENTION/VERDRIVE CIRCUIT

	ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
2	TIJ18438	307-043.000	H33	UTILITY	NO	\$1290.00	03/10/97

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, pay of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE.

Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned.

If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number.

Please direct all communication prior to issuance to Box ISSUE FEE unless advised to contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Notice of Allowability	Application No. 08/324,835	Applicant(s) Miyazaki et al.
	Examiner Albert W. Paladini	Group Art Unit 2107

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

This communication is responsive to brief received on 10/11/96

The allowed claim(s) is/are 2-10

The drawings filed on _____ are acceptable.

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been
 received.
 received in Application No. (Series Code/Serial Number) _____
 received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

Applicant MUST submit NEW FORMAL DRAWINGS

because the originally filed drawings were declared by applicant to be informal.
 including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 4.
 including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.
 including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

Notice of References Cited, PTO-892
 Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
 Notice of Draftsperson's Patent Drawing Review, PTO-948
 Notice of Informal Patent Application, PTO-152
 Interview Summary, PTO-413
 Examiner's Amendment/Comment
 Examiner's Comment Regarding Requirement for Deposit of Biological Material
 Examiner's Statement of Reasons for Allowance

Art Unit: 2107

1. The following is an Examiner's Statement of Reasons for Allowance:

In the communication submitted on October 11, 1996 the applicant overcame the examiner's 35 U.S.C. 103 rejection using Stoll and Kopec as references by clearly demonstrating that the structural elements recited in the claims such as the "first current source", the "second current source" , "a first circuit", and a "second circuit" and the internal switching logic all contained in and functioning on a single semiconductor chip are not obvious in terms of the integration of the discrete elements such as the comparator, the solenoid, and the logic elements suggested by the examiner in the first rejection using Stoll and Kopec as art references.

Further searches in the areas of switching circuits, drive circuits, switching regulators, and overdrive circuits did not yield any pertinent art to render the claims obvious to one skilled in the art.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Albert W. Paladini whose telephone number is

Serial Number: 08/324,835

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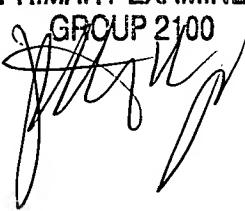
Art Unit: 2107

(703) 308-2005. The examiner can normally be reached on Monday-Friday from 7:30 AM to 4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM M. SHOOP JR., can be reached on (703) 308-3103. The fax phone number for this Group is (703) 305-7721.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-1782.

JONATHAN WYSOCKI
PRIMARY EXAMINER
GROUP 2100



12-6-96

JWP
12/3/96